Build Agents and Modernize Your Code

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Build Agents and Modernize Code

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WHAT'S NEW THIS MONTH

This month brings together practical AI learning, hands on guided projects, and a new Coursera course on AI assisted code modernization. Build with agents, practice responsible AI patterns, and learn how AI can support modern software work.

Monitor Applications with IBM Instana

IBM Instana helps teams observe applications, services, and infrastructure in real time. It gives developers and operations teams a clearer view of performance, dependencies, and incidents so they can understand problems faster.

Explore IBM Instana

Featured Releases: Hands On Guided Projects

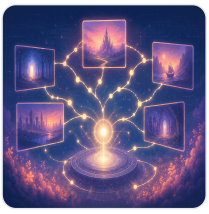
These intermediate projects give you focused practice with current AI development workflows. Build something real, see how the pieces connect, and leave with a project you can explain clearly.

INTERMEDIATE PROJECTS

Guided Project (New)

Build an MCP Server and LangGraph Agent for Your Writing

Build a Model Context Protocol server that exposes custom Python tools, then connect it to a LangGraph ReAct agent. The finished project is a transparent writing assistant that can choose and call tools when it needs them. It is a practical way to understand how tool using AI agents work.



Guided Project (New)

Create an Adaptive Pick Your Path Game with LangGraph

Build an AI game agent that responds to natural language commands and moves through a branching story graph. You will use LangGraph and structured outputs to manage scenes, choices, and endings. It is a creative way to practice stateful agent design.

Guided Project

Build Guardrails for Your AI with Open Source

Learn how to add guardrails that support safer and more responsible AI interactions. The project focuses on open source tools and practical patterns you can apply quickly. It is useful for anyone building AI experiences that need clearer boundaries and more trust.

Featured Coursera Course

Continue the theme of practical AI development with a course focused on modernizing code and applications with AI assistance.

Coursera Course

AI Assisted Code Modernization

This IBM course introduces application modernization through the lens of AI assisted development. Learners explore how AI can support understanding, improving, and updating code for modern software environments. It is a good fit for developers who want practical modernization skills they can connect to enterprise work.

Share Your Story

Last month we engaged with 50 learner posts across our social channels. We love seeing your progress and want to hear more.

Tell us how you started, what you created, and what you want to learn next. Your story may be featured in our next issue.

Submit your story here

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